150, ·" (^ ` ) 2002.12.28 11:6 AM ˘ ` 1

Home Automation

User's Manual

HA-150E/HAC-150E

ISO 9001

HYUNDAI

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150, ·" (^ ` ) 2002.12.28 11:6 AM ˘ ` 3

Introduction

A. HA-150E/HAC-150E System consist of Main Unit and Camera Doorphone.

B. This system provides a doorphone call and door open function.

Contents

Before USE

- Introduction
- Contents 1
- Cautions 2
- Name and Function 3

How to USE

- Installation 5
- Call Function 9
- Open an Electric Door 10

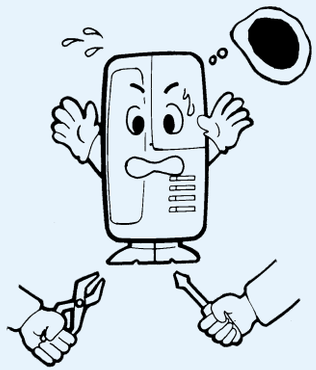
Product Standards

- Product Standards 11

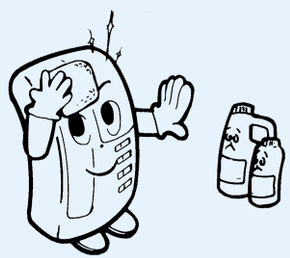
150, ·" (^ ` ) 2002.12.2811:6AM ˘ ` 2

Cautions

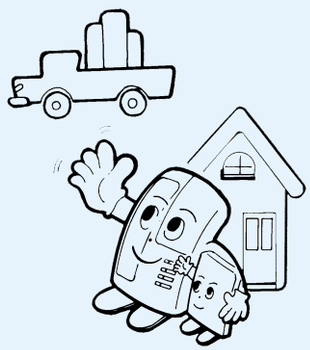
Prevent this product from water and shock.



Do not disassemble it at your discretion.



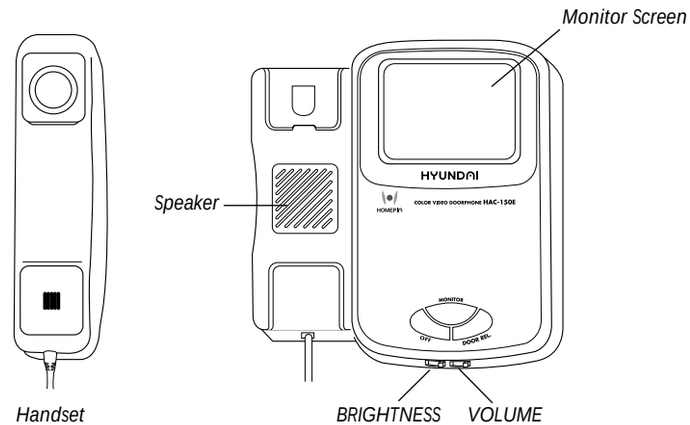
Clean it with a dry cloth not with alcohol or benzene.



Retain this manual for reference and hand it to the next resident in moving out.

Name and Function

Main Unit



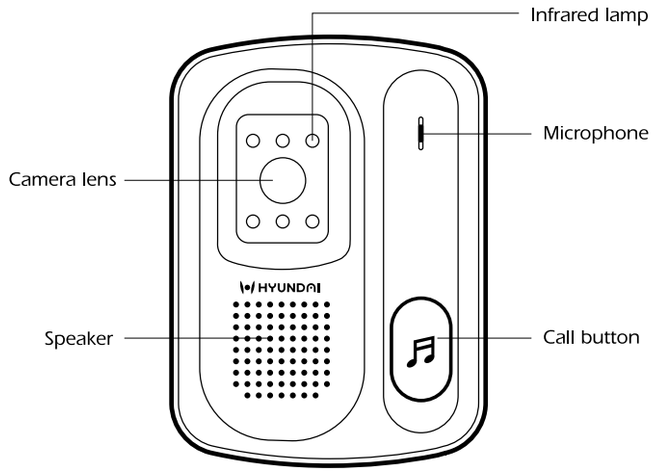
■ Function

Name	Function
MONITOR BUTTON	Doorphone select
OFF BUTTON	Monitor Off
DOOR REL.	Electric door unlock.
MONITOR Screen	Shows a visitor.
BRIGHTNESS	Regulates the brightness of the screen.
VOLUME	Adjusts speaker volume.

150, ·" (^ ` ) 2002.12.2811:6AM ˘ ` 4

Name and Function

Plastic Camera Doorphone



Function

Name	Function
Microphone	Transmits a visitor's voice to you.
Camera lens	Identifies a visitor.
Infrared lamp	Identifies a visitor in the dark.(for HA-150E)
Speaker	Transmits your voice to a visitor.
Call button	Transmits call to you.

Installation

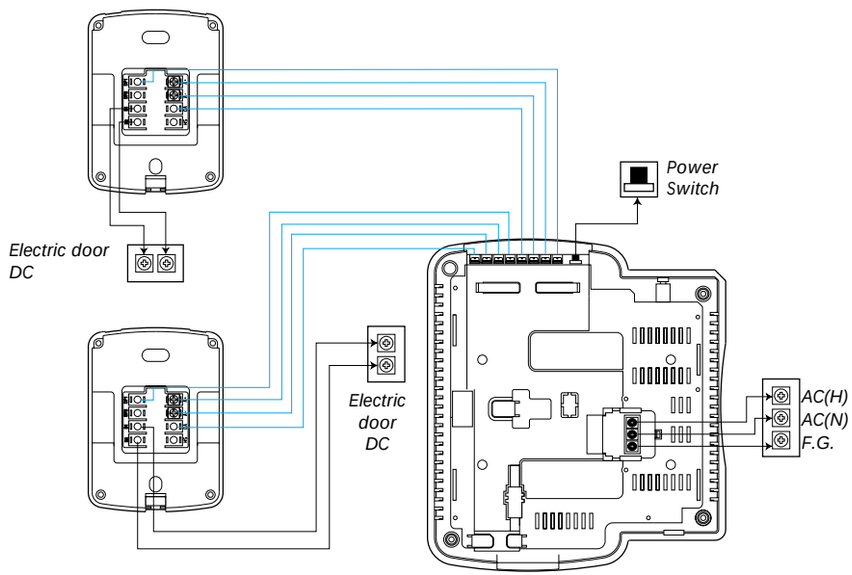
How to connect wires

- Four wires are required to connect the main unit and the camera doorphone. (TIV 0.65ø)
- When an electric door is installed, additional two wires are required for connecting the electric door to the doorphone unit.

Note

An electric door is not supplied by the manufacturer.

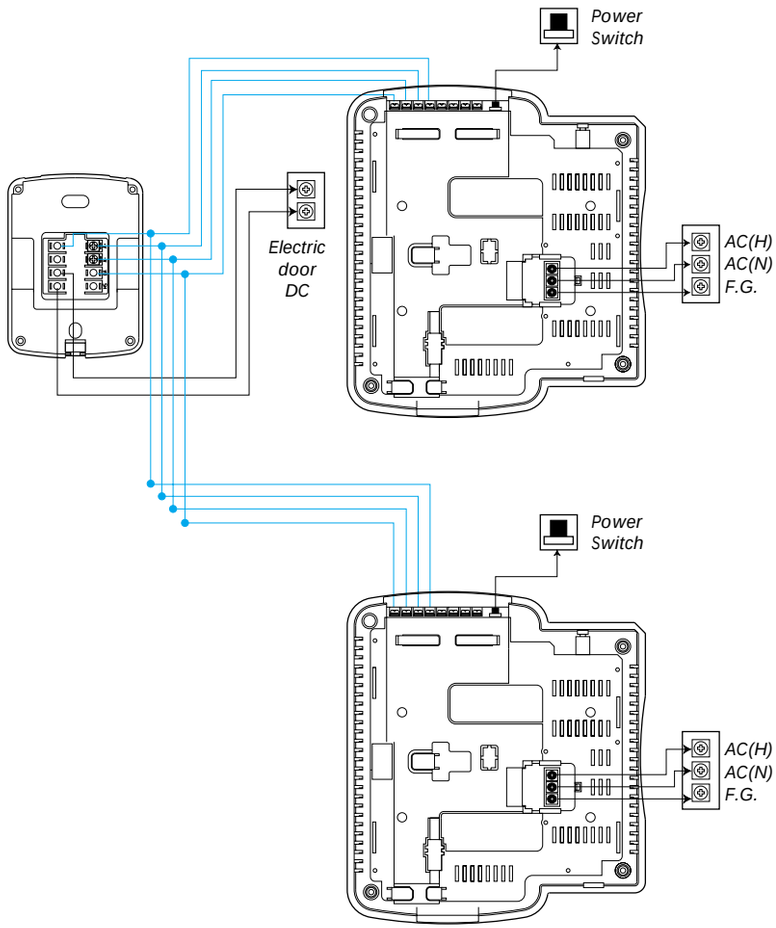
Block Diagram1 (Cameras 2EA + Monitor 1EA)



150, ·" (^ ` ) 2002.12.2811:7AM ˘ ` 6

Installation

■ *Block Diagram2 (Camera 1EA + Monitors 2EA)*

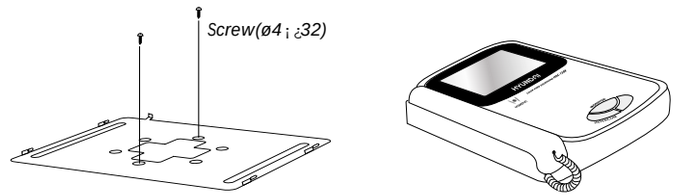


Installation

Main unit

¡ /*Mount the wall-bracket by using taping screw (ø4 ¡ ¿32) provided.*

¡ /*Fix the main unit into the wall-bracket.*



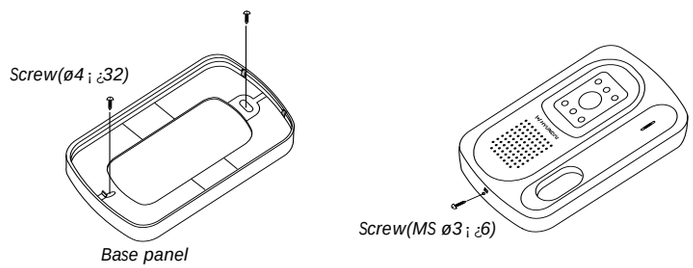
Camera doorphone

¡ /*Separate the base panel from the camera doorphone and fix it firmly into the switch box by using taping screw. (ø4 ¡ ¿32)*

¡ /*After placing the base panel vertically, re-attach the camera doorphone and fasten it with one machine screw.*

■ *Note*

A switch box is not supplied by the manufacturer.



150, ·" (^ ` ) 2002.12.2811:7AM ˘ ` 8

Installation

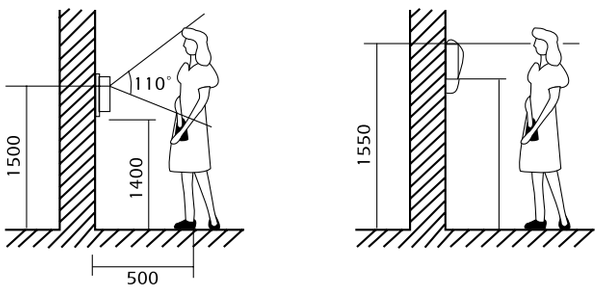
General care on installing

¡ /Dropping can result in failure to operate.
Circuit boards can crack and cases may not survive the impact.

¡ /Do not install in areas of high levels of dirt and dust.

¡ /Avoid a direct or strong reflected ray to prevent flickering and unclearness of the screen.

¡ /Recommendable installation heights : about 150cm



unit : mm

Call Function

Call from the doorphone

1. If you receive a call from one out of two doorphone(camera), the melody rings(like “Ding Dong”) and monitor is turned on for 30 seconds. Pick up the handset to answer the call.(You can communicate with a visitor when you pick up the handset.)

2. During a doorphone call, the monitor is turned on for 3 minutes.

Call the doorphone

1. 2 Cameras ∗ 1 Monitor
If you Pick up the handset and press the “MONITOR” button, image from number 1 camera is displayed and can answer the call. And also if you press “MONITOR” button again, image from another number 2 camera is replaced on the monitor screen. (Whenever you press the “MONITOR” button, the scene on the monitor is replaced.(Shifted / Changed) to another camera.)

2. 1 Cameras ∗ 1 Monitor
Press the “MONITOR” button and pick up the handset.
Or Pick up the handset and press tne “MONITOR” button.

Call disconnection

1. A call is automatically disconnected and monitor is also turned off within 3 minutes after you answer the call or press the “MONITOR” button.
2. If you hang handset on the hook during a door phone call, the call is disconnected and monitor is turned off.

150, ·" (^ ` ) 2002.12.2811:7AM ˘ ` 10

Open an Electric Door

Open an electric door

If you press “DOOR REL” button when monitor is turned on, the electric door is unlocked.(But not available when monitor is turned off.)

Product Standards

A.Main Unit

Item	B/W	Color
Monitor	Black and White 4-inch flat CRT	4-inch TFT LCD
Power	AC 95V ~ 245V, 50/60Hz	
Power Consumption	MAX15W	
Resolution	380TV Lines	
Input signal	Composite Video 75Ω	
External Jack, Input Jack	Terminal Screw	
Call Method	“Ding Dong” Sound	
Dimensions	193 x 215 x 62mm(Width x Height x Depth)	

B. Camera Doorphone

Item	B/W	Color
Image Sensor	Black and White 1/3” CCD	1/3” Color CCD
Synchronized System	Internal Sync	
Pixel	270,000 pixels	
View Angle	92°	80°
Minimum Illumination	0.2 Lux(F1.2)	0.5 Lux(F1.2)
Power	Supplied by Indoor device	
Power Consumption	3W	4W
Connection Method	4-Line	
Signal Method	Standard EIA / CCIR	NTSC / PAL
Microphone	Condenser type	
Operating Temperature	0℃ ~ +40℃	
Dimensions	96 × 128 × 45 mm(Width × Height × Depth)	

¡ÆHA-150E/HAC-150E contains SMPS and requires AC 95V~245V, 50/60Hz

150, ·" (^ ` ) 2002.12.2811:7AM ˘ ` 12

Memo